**LESSON PLAN**

**The Data Lab, Lesson 3: What is Data Science?**

THE PURPOSE OF THE LESSON

Simple explanation to “What is Data Science”. Teaching them about the overall impact Data Science has across a wide range of uses.

BY THE END OF THIS LEARNERS WILL HAVE EVIDENCE TO SUPPORT THESE OUTCOMES

Students will learn about how and why Data is used in a variety of areas.

|  |  |  |
| --- | --- | --- |
| TIME | TASK | RESOURCES NEEDED |
| 5 MIN | What is Data Science – explanation  Talk through slides 2-5 with class as introduction | **Presentation slides 2-5**  **Lesson Resource Page 1:** Slide 5 Further explanation |
| 30 MIN | In small groups assign each group one case study from the list (or get them to read all 6)  Have them read and report back. Visit each group to assist.  This could also be done as a whole class activity, looking at all the Case Studies and discussing the questions/answers together.  4 Questions on Case Study | **Presentation slides 6-7** [**Case Studies on The Data Lab website**](https://www.thedatalab.com/schools/daydream-case-studies/)   * Olly the Robot, * Footballer value indicator, * Smart Housing (Albyn Housing) * Traffic Accidents * Customised Shopping - Online Returns Taxi v Bus   **Presentation Slide 8:** Questions  **Lesson Resource Page 2:**  Questions  **Lesson Resource Page 3-8:**  Answers for each Case Study |
| 10 MIN | Whole class discussion on the various Case Studies. | Time constraints could mean that you assign the pupils a different Case Study from the one they read in class, to look at as homework answering the questions |
| 5 MIN | What is Data Science?  Class discussion on findings of each group. | **Presentation slide 9**  Emphasis on we need Data People, now and for the future. |